

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107
and

THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Environmental Quality Control
Water Quality Certification and Wetlands Programs Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION

Refer to: P/N #2002-1U-416-W

28 MARCH 2003

Pursuant to Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), an application has been submitted to the Department of the Army and the South Carolina Department of Health and Environmental Control by

CITY OF ROCK HILL
C/O CHRIS COSTNER
STORM WATER DIVISION
P.O. BOX 11706
ROCK HILL, SOUTH CAROLINA 29731-1706

for a permit to place fill material in and adjacent to

MANCHESTER CREEK

at a location in the drainage area between Dave Lyle Blvd. and Meadowbrook Lane in York County, South Carolina. (Latitude 34.93429° N, Longitude 81.01587° W)

In order to give all interested parties an opportunity to express their views

N O T I C E

is hereby given that written statements regarding the proposed work will be received by both of the above mentioned offices until

12 O'CLOCK NOON, MONDAY, 28 APRIL 2003

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of a water quality / storm water management project requiring impacts to 3488 linear feet (1.01 acres) of stream to replace existing culvert crossings, stabilize stream banks and construct an upland dry pond. In detail, the proposed work includes the replacement of 1,027 linear feet of existing culverts with 1844 linear feet of upsized culverts and constructing an upland dry pond. Proposed channel modifications to 1,644 linear feet of stream are summarized as follows:

IMPACT	LF
Rip Rap	122
Bank Stabilization / Channel Widening	331
Bank Stabilization / Channel Widening / Rip Rap	69
Bank Stabilization / Channel Widening / Retaining Wall	531
Bank Stabilization / Channel Widening / Retaining Wall / Rip Rap	77
Stream Relocation	57
Stream Relocation / Bank Stabilization / Channel Widening / Retaining Wall	30
Stream Relocation / Bank Stabilization / Channel Widening / Retaining Wall / Rip Rap	61
Bank Stabilization and Widening above Bankfull	366
TOTAL	1644

The purpose of the proposed work, as stated by the applicant, is to minimize flooding and improve water quality.

NOTE: Plans depicting the work described in this notice are available and will be provided, upon receipt of a written request, to anyone that is interested in obtaining a copy of the plans for the specific project. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided for mailing the drawings to you. Your request for drawings should be addressed to the

U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69A Hagood Avenue
Charleston, South Carolina 29403-5107

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The District Engineer will not process this application to a conclusion until such certification is received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to Water Quality Certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact freshwater habitat upstream of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the applicant has provided a protected species survey for the property associated with the activity described above. Based

Refer to: P/N #2002-1U-416-W

upon this report, the District Engineer has determined that the project will have no effect on any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

The District Engineer has consulted the most recently available information and has made no determination of effect on any Federally endangered, threatened, or proposed species. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any Federally listed or proposed to be listed endangered or threatened species and/or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

The District Engineer has consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. Consultation of the National Register constitutes the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the presence of such resources. Presently unknown archaeological, scientific, prehistorical, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

REGULATORY DIVISION

Refer to: P/N #2002-1U-416-W

28 MARCH 2003

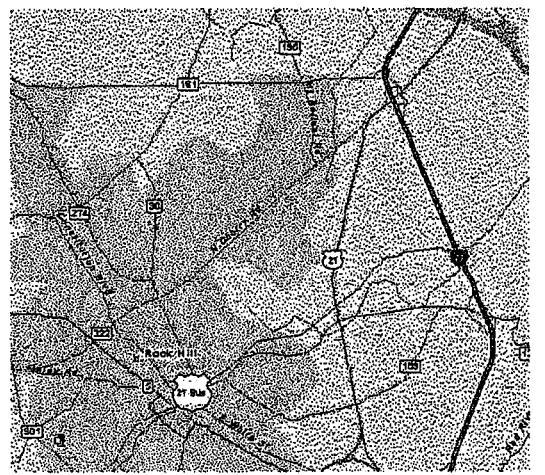
If there are any questions concerning this public notice, please contact me at 843-329-8044 or toll free at 1-866-329-8187.

Randy Fowler

for Tracy Hurst
Project Manager
Regulatory Division
U.S. Army Corps of Engineers

Engineering Services Division

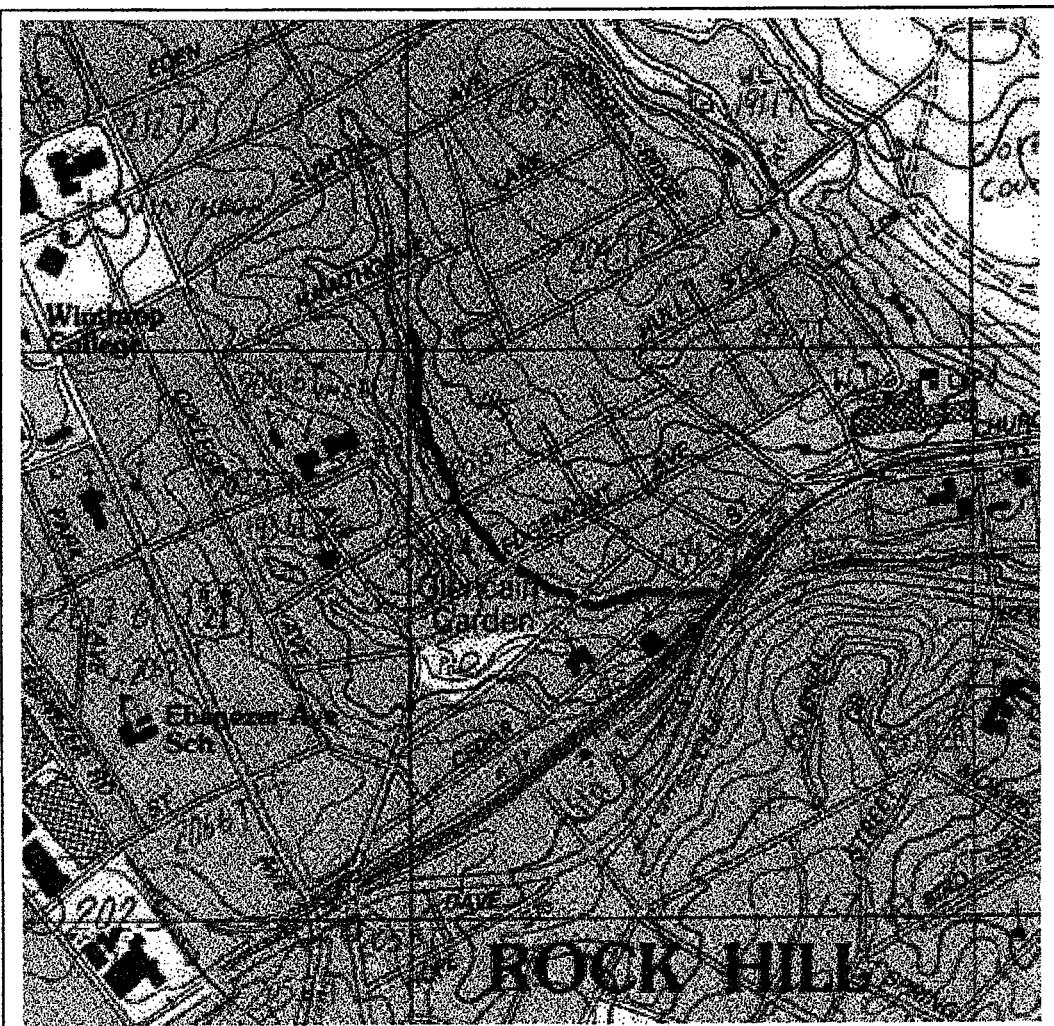
Regional Map



Sumter Avenue Area



Modified USGS Topo of Project Area



SUMTER AVENUE PROJECT
ROCK HILL, SOUTH CAROLINA
LOCATION MAP
SHEET 1 OF 17
1-31-03

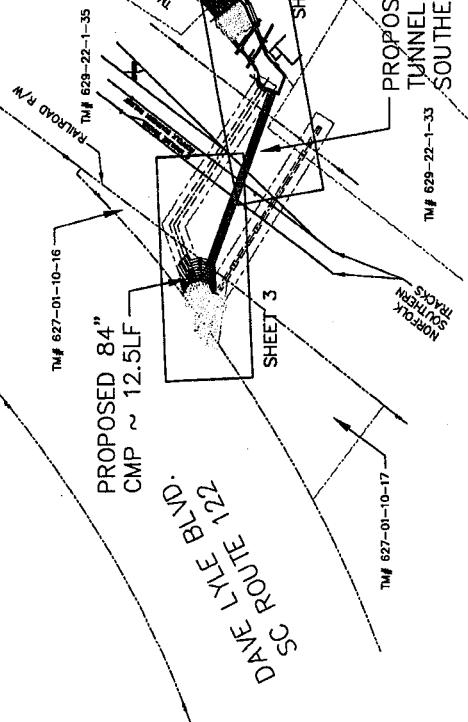
SUMTER AVENUE PROJECT

CHANNEL IMPACT DRAWINGS FOR

YORK COUNTY, SOUTH CAROLINA

JANUARY 31, 2003

PROPOSED TRIPLE
72" RCP ~ 570LF

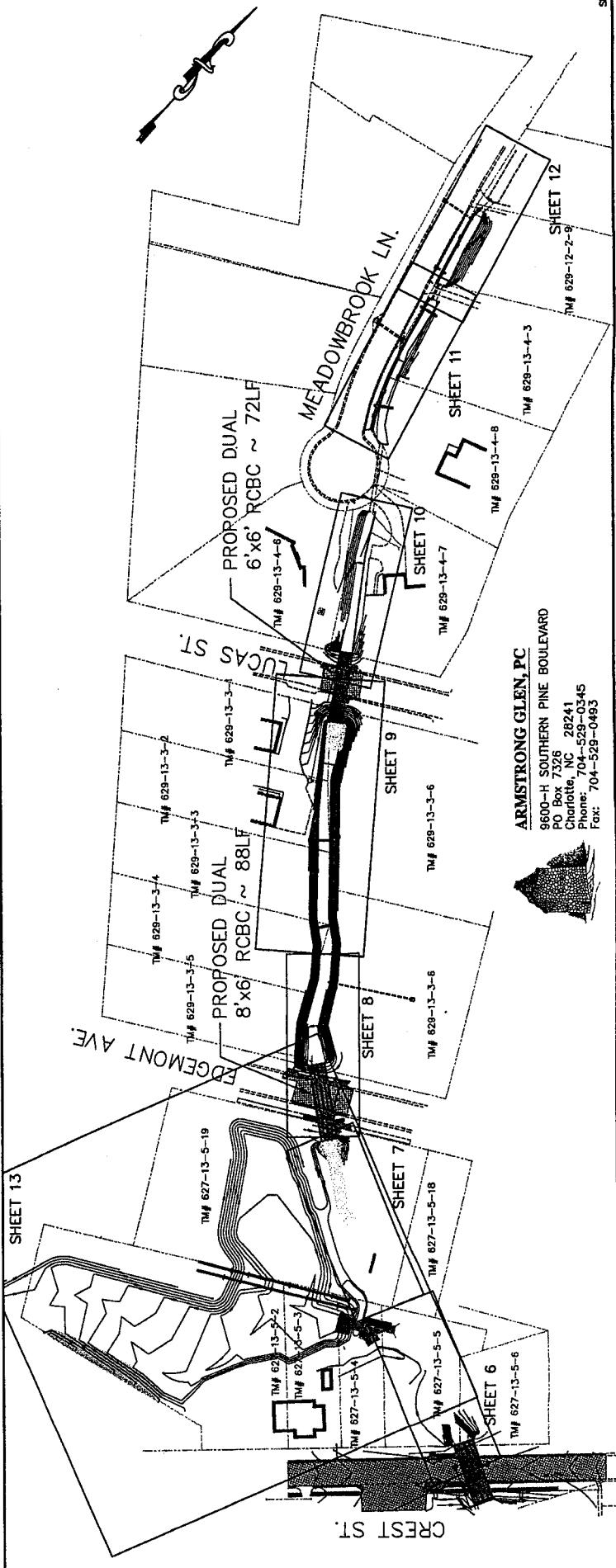


PROPOSED 84"
CMP ~ 12.5LF

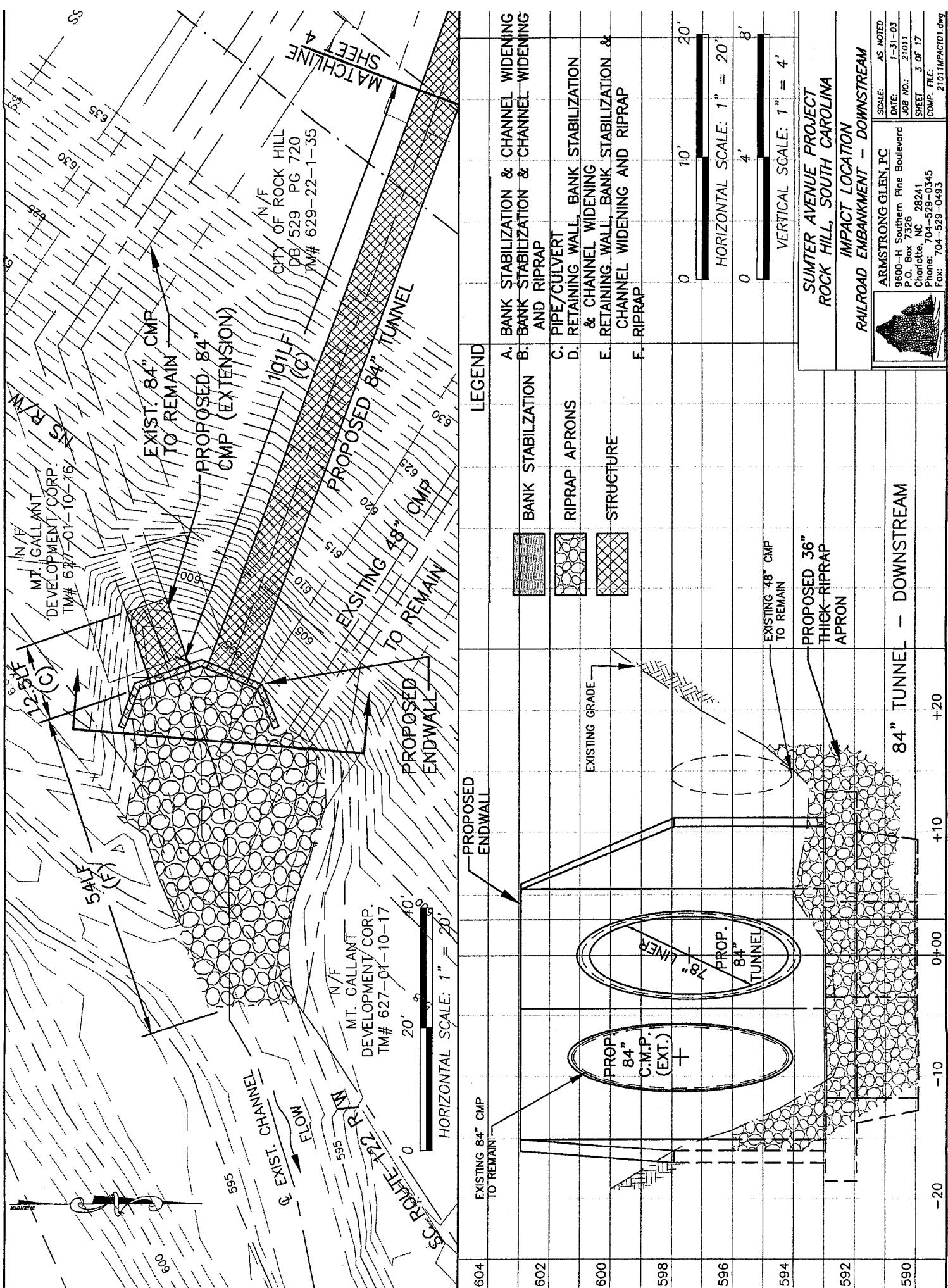
DAVE LYLE BLVD.
SC ROUTE
122

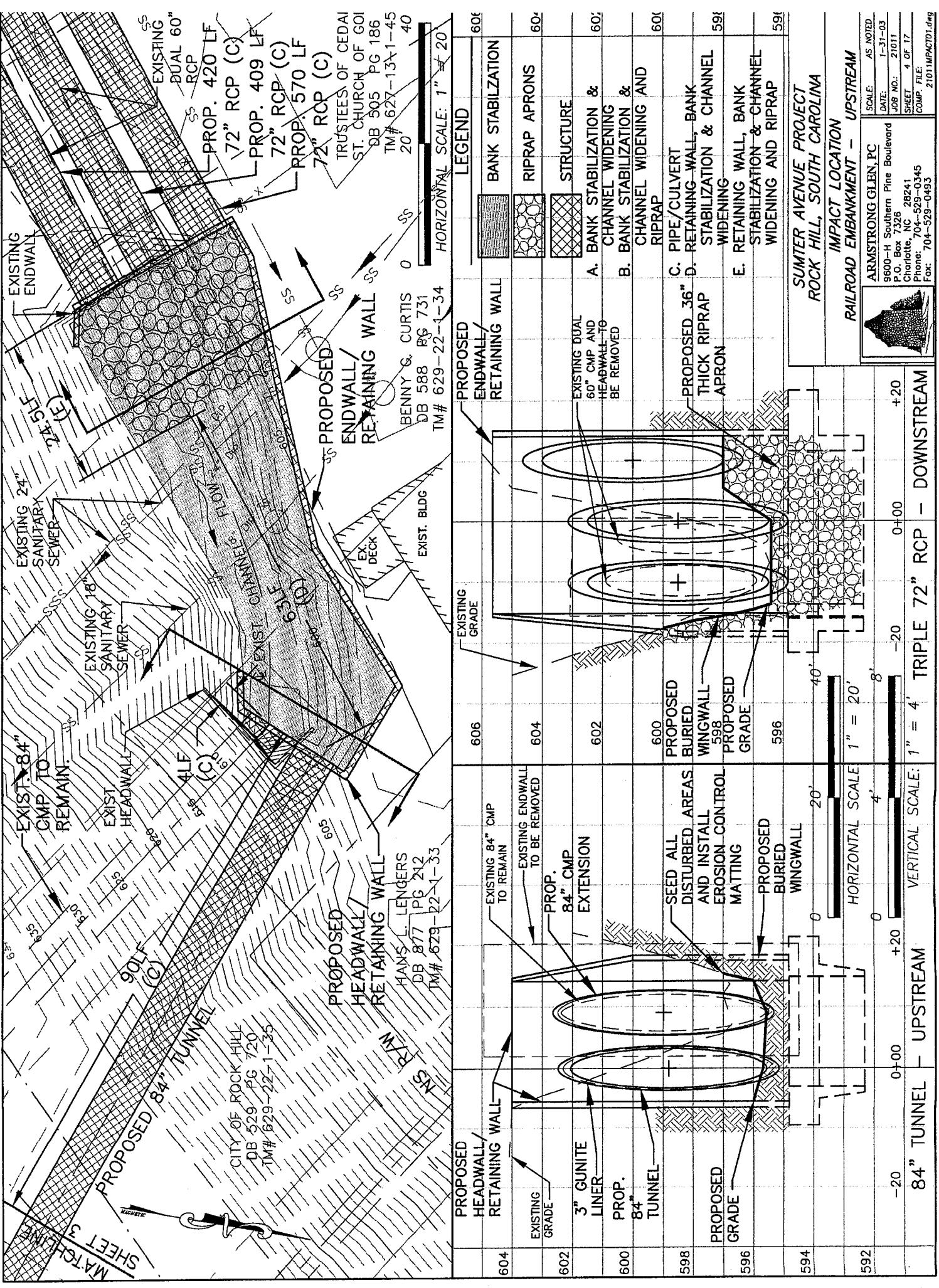
PROPOSED 84" STEEL PLATE
TUNNEL UNDER NORFOLK
SOUTHERN RAILROAD ~ 191LF

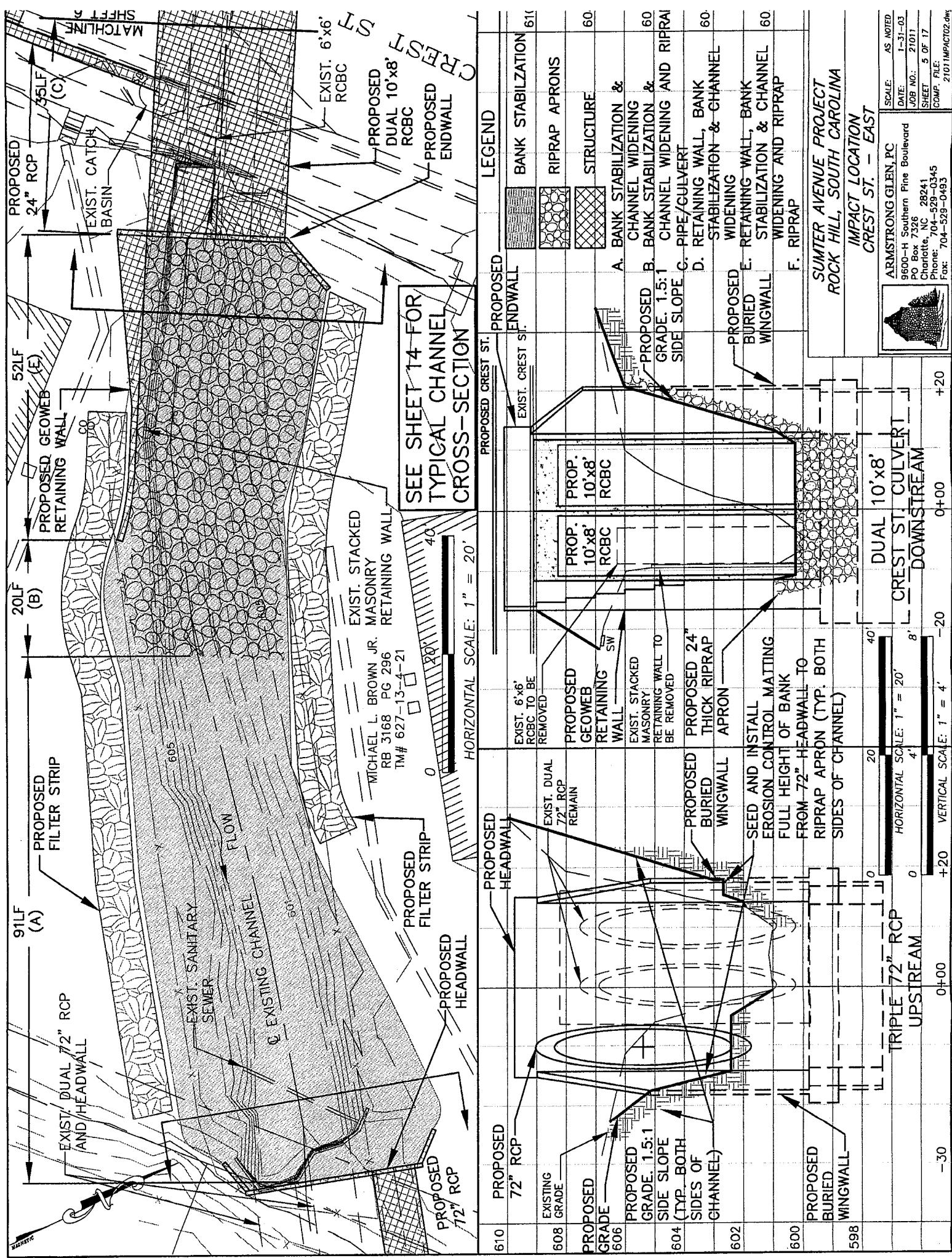
PROPOSED DUAL
10'x8' RCBC ~ 72LF

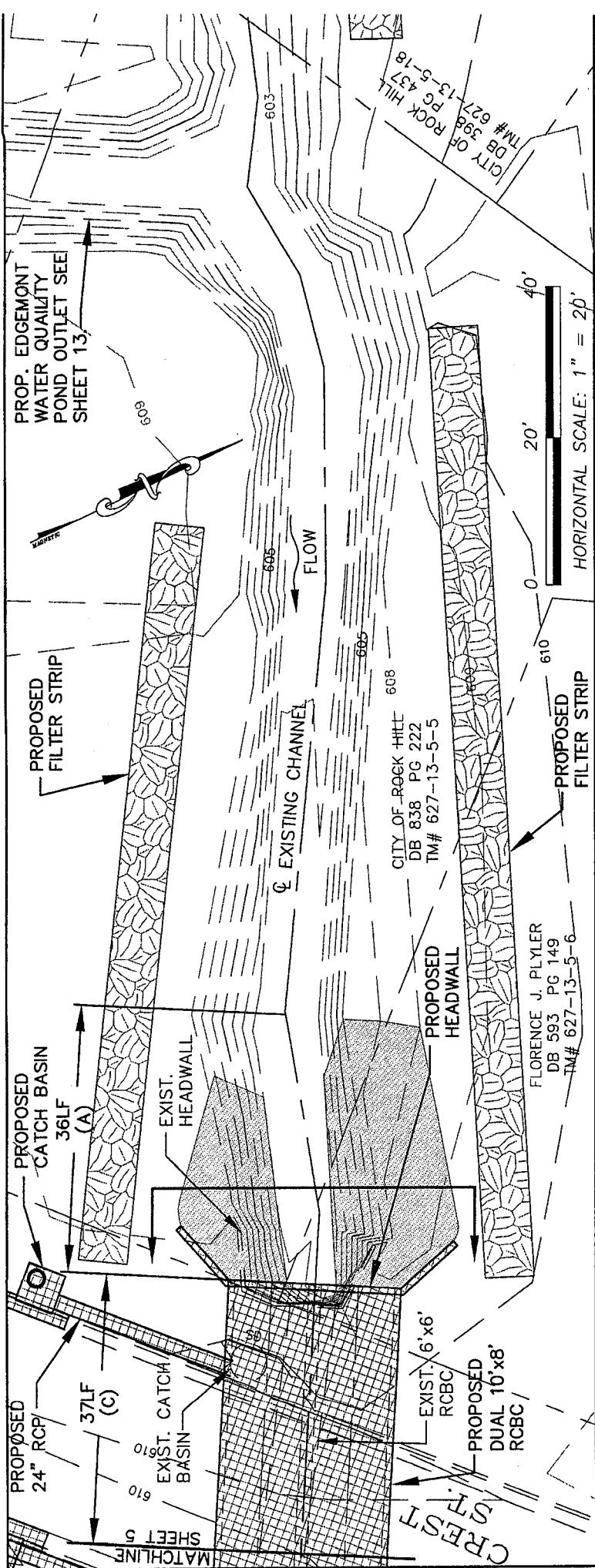


ARMSTRONG GLEN, PC
9600-H SOUTHERN PINE BOULEVARD
PO Box 7326 Charlotte, NC 28241
Phone: 704-539-0435 Fax: 704-539-0435









LEGEND

BANK STABILIZATION	A. BANK STABILIZATION & CHANNEL WIDENING
RIBRAP APRONS	B. BANK STABILIZATION & CHANNEL WIDENING
STRUCTURE	C. PIPE/CULVERT
	D. RETAINING WALL, BANK WIDENING
	E. RETAINING WALL, BANK STABILIZATION & CHANNEL WIDENING
	F. RIPRAP

PROPOSED CREST ST.

EXIST. CREST ST.

PROPOSED HEADWALL

EXISTING GRADE

PROPOSED BURIED WINGWALL

PROPOSED

RCBC

PROP.

10'x8'

10'x8'

RCBC

EXIST. 6x6 RCBC AND HEADWALL TO BE REMOVED

PROPOSED

BURIED

WINGWALL

A. BANK STABILIZATION & CHANNEL WIDENING

B. BANK STABILIZATION & CHANNEL WIDENING

C. PIPE/CULVERT

D. RETAINING WALL, BANK WIDENING

E. RETAINING WALL, BANK STABILIZATION & CHANNEL WIDENING

F. RIPRAP

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 4'

SWEEP AVERAGE EROSION CONTROL

IMPACT LOCATION



GRADE. 1.5:1
TYP. BOTH
CHANNEL
3' CREST ST. CULVER

Phone: 704-529-0345
Fax: 704-529-0493

+50

50

CITY OF ROCK HILL
DB 811 PG 339
TM# 627-13-5-19

LEGEND

EDGEMONT AVE.

PROPOSED ENDWALL

EXIST. 5'x5' BOX CULVERT AND ENDWALL TO BE REMOVED

EXISTING GRADE

PROPOSED GRADE: 2:1 SIDE SLOPE (TYP. BOTH SIDES OF CHANNEL)

PROPOSED BURIED WINGWALL

STRUCTURE

RIPRAP APRONS

BANK STABILIZATION & CHANNEL WIDENING

RIPRAP

STRUCTURE

A. BANK STABILIZATION & CHANNEL WIDENING

B. BANK STABILIZATION & CHANNEL WIDENING AND RIPRAP

C. PIPE/CULVERT

D. RETAINING WALL, BANK STABILIZATION & CHANNEL WIDENING

E. RETAINING WALL, BANK STABILIZATION & CHANNEL WIDENING AND RIPRAP

F. RIPRAP

HORIZONTAL SCALE: 1" = 20'

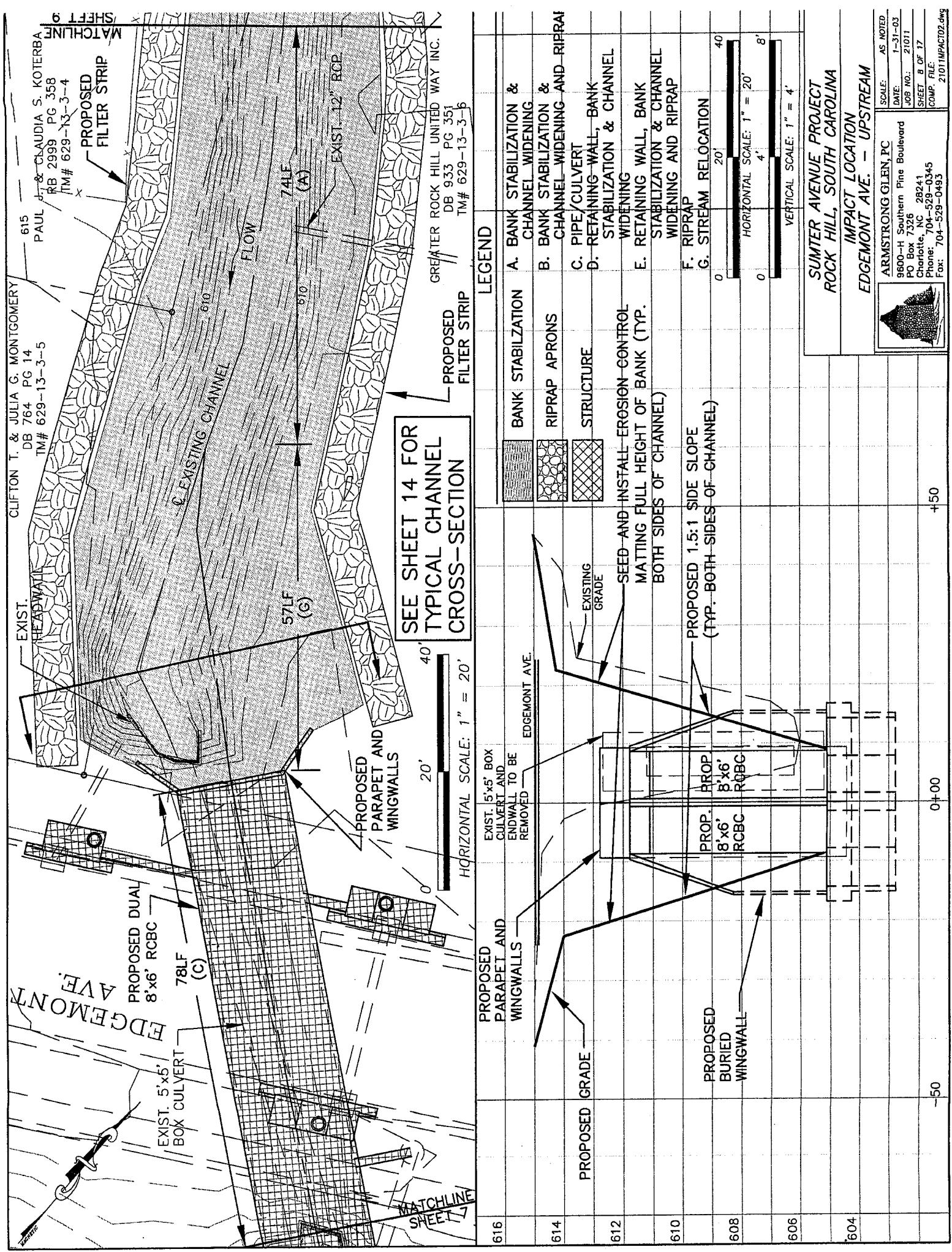
VERTICAL SCALE: 1" = 4'

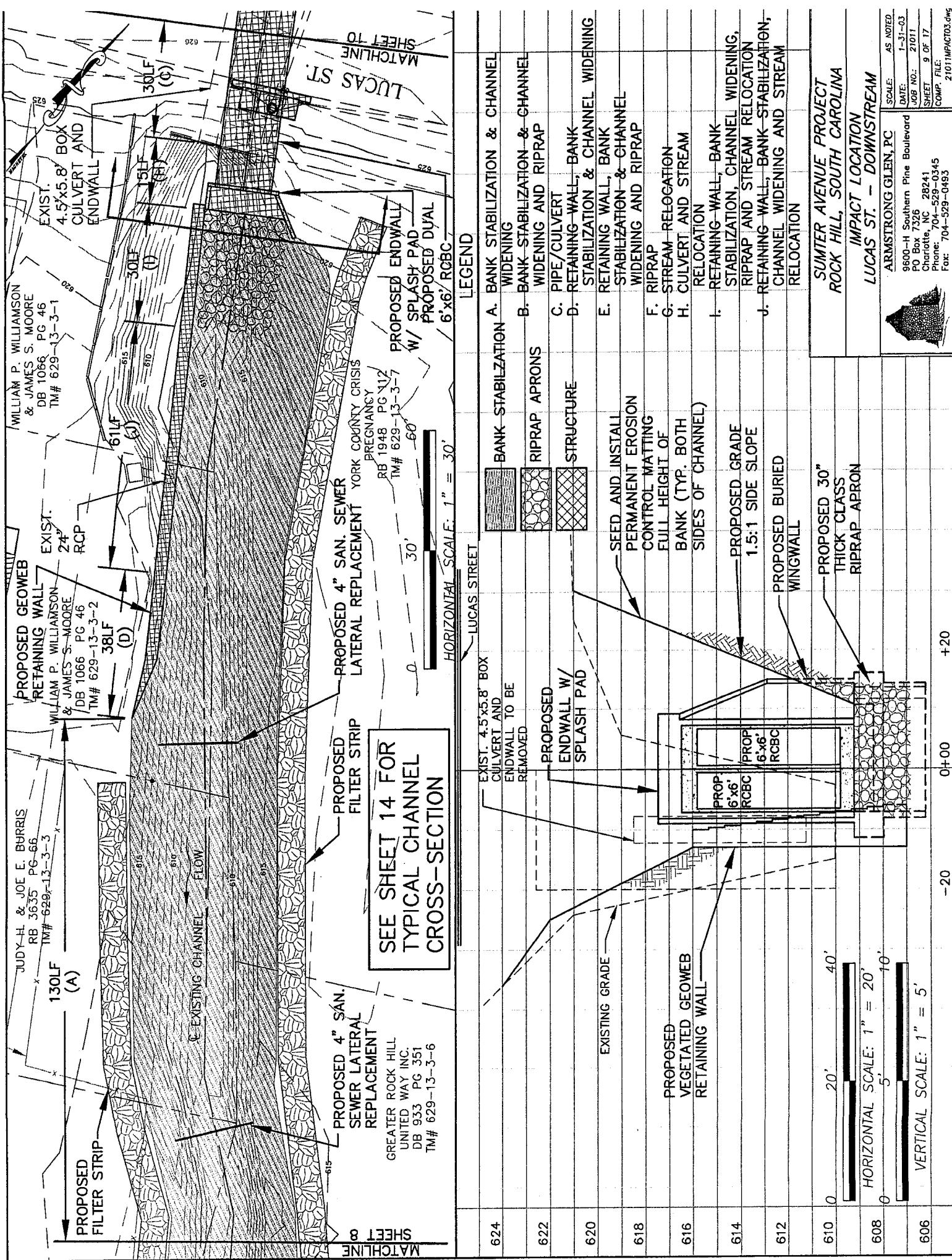
SUMMER AVENUE PROJECT
ROCK HILL, SOUTH CAROLINA
IMPACT LOCATION
EDGEMONT AVE. - DOWNSTREAM



ARMSTRONG GLEN, PC
9600-H Southern Pine Boulevard
PO Box 7326
Charlotte, NC 28241
Phone: 704-529-0345
Fax: 704-529-0493
SCALE: AS NOTED
DATE: 1-31-03
JOB NO.: 21011
SHEET: 7 OF 17
(COMP. FILE: 21011IMPACT02.dwg)

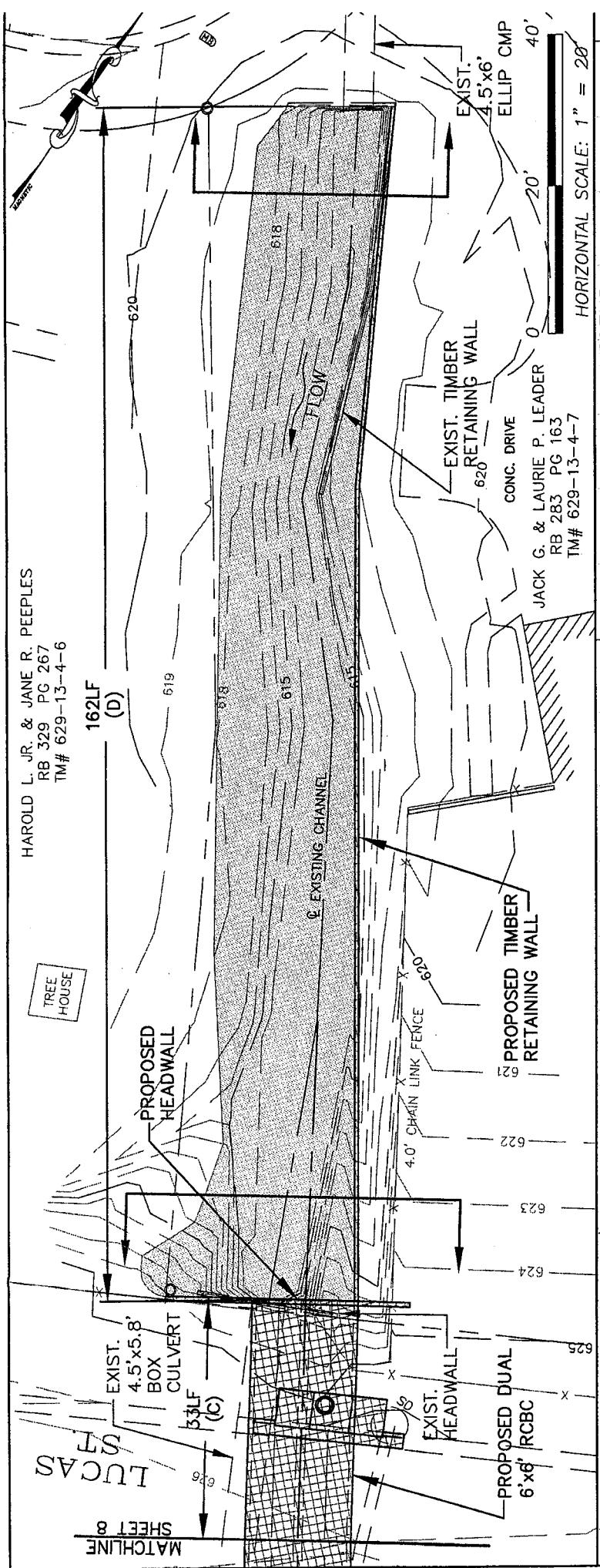
+50
-50





HAROLD L. JR. & JANE R. PEEPLES
RB 329 PG 267
TM# 629-13-4-6

SHEET 8
MATCHLINE



הנתקן

SUMTER AVENUE PROJECT
ROCK HILL, SOUTH CAROLINA

IMPACT LOCATION
LUCAS ST. - UPSTREAM

ARMSTRONG GLEN, PC
9600-H Southern Pine Boulevard
Box 7336
Charlotte, NC 28241
Phone: 704-529-0493
Fax: 704-529-0493

AS NOTED
SCALE: 1'-0" = 4'
DATE: 1-31-03
JOB NO.: 21011
 SHEET: 10 OF 17
COMP: 2101 IMPACT02.dwg

624 PROPOSED HEADWALL
GRADE
EXIST. 4.5'x5.8'
BOX CULVERT
AND HEADWALL
TO BE REMOVED
SEED AND INSTALL
EROSION CONTROL
MATTING FULL HEIGHT
OF BANK

622 PROPOSED HEADWALL
GRADE
PROPOSED GRADE.
2:1 SIDE SLOPE

620 PROPOSED GRADE

618 EXISTING GRADE

616 PROPOSED
RETAINING WALL

614 EXIST.
4.5'x6'
CMP TO
REMAIN

612 PROPOSED
RETAINING WALL

600 PROPOSED
TIMBER
RETAINING WALL

598 EXIST. RETAINING
WALL TO BE
REMOVED

596 PROPOSED
TIMBER
RETAINING WALL

594 EXIST. PIPE/CULVERT
STRUCTURE

592 RIPRAP APRONS

590 BANK STABILIZATION

588 A. BANK STABILIZATION &
BANK CHANNEL WIDENING

586 B. BANK STABILIZATION &
BANK CHANNEL WIDENING

584 C. PIPE/CULVERT
WIDENING

582 D. RETAINING WALL, BANK
STABILIZATION & CHANNEL
WIDENING

580 E. RETAINING WALL, BANK
STABILIZATION & CHANNEL
WIDENING AND RIPRAP

578 F. RIPRAP

576 HORIZONTAL SCALE: 1" = 20'
4'

574 VERTICAL SCALE: 1" = 4'

572 0-00

570 +30

568 PROP 6'x6'
RCBC RCBC

566 PROP 6'x6'
RCBC RCBC

564 0-00

562 +30

560 0-00

558 +30

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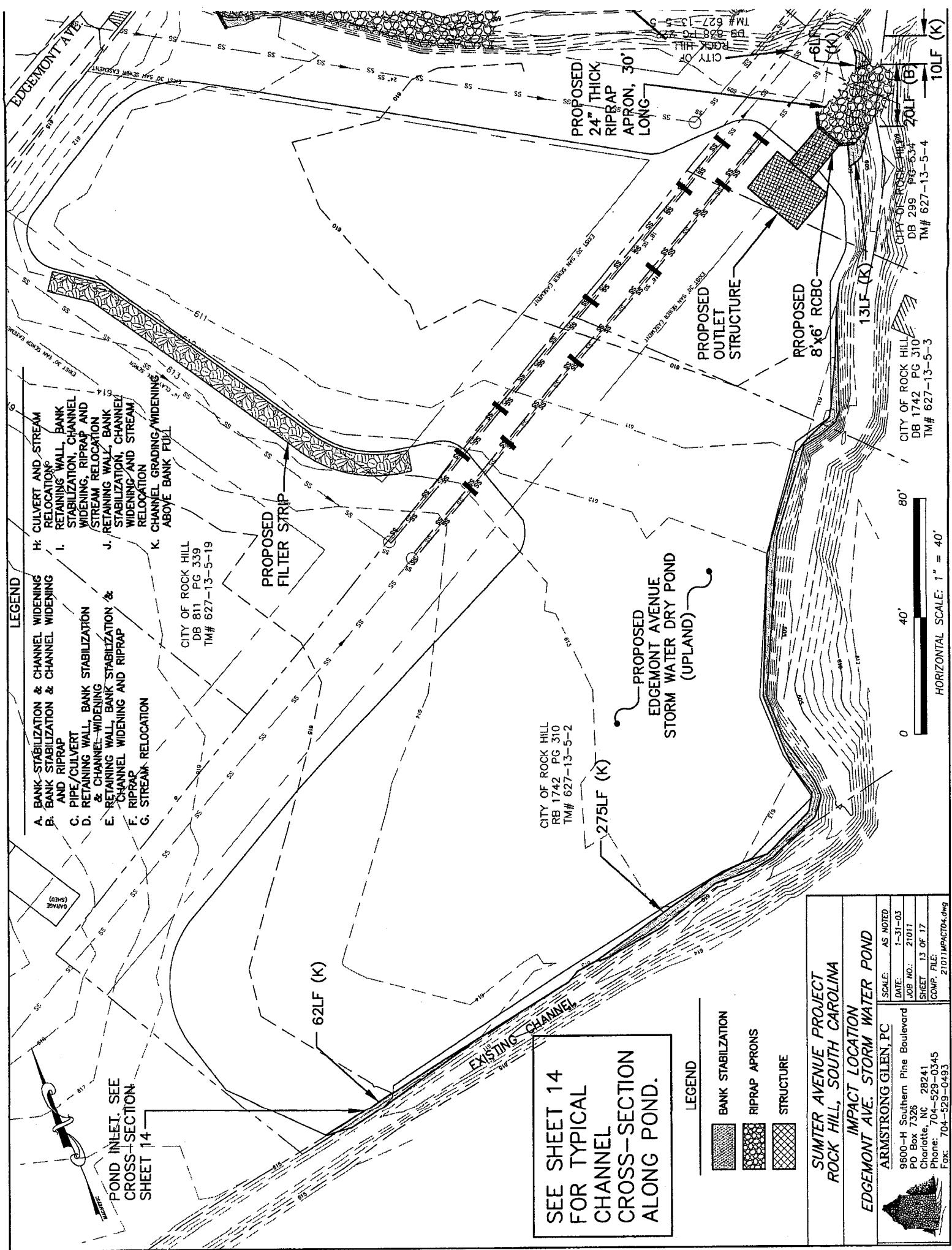
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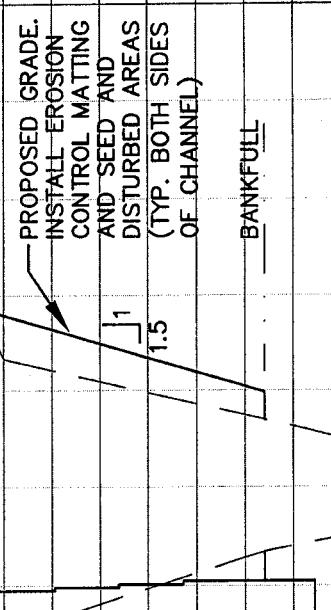
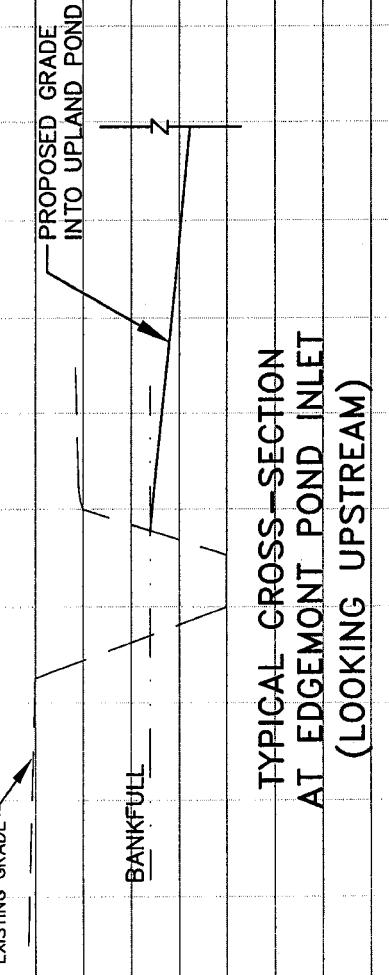
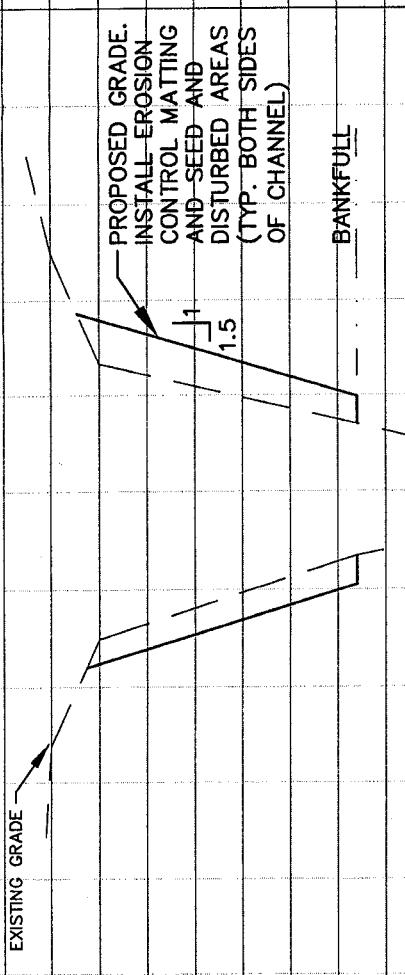
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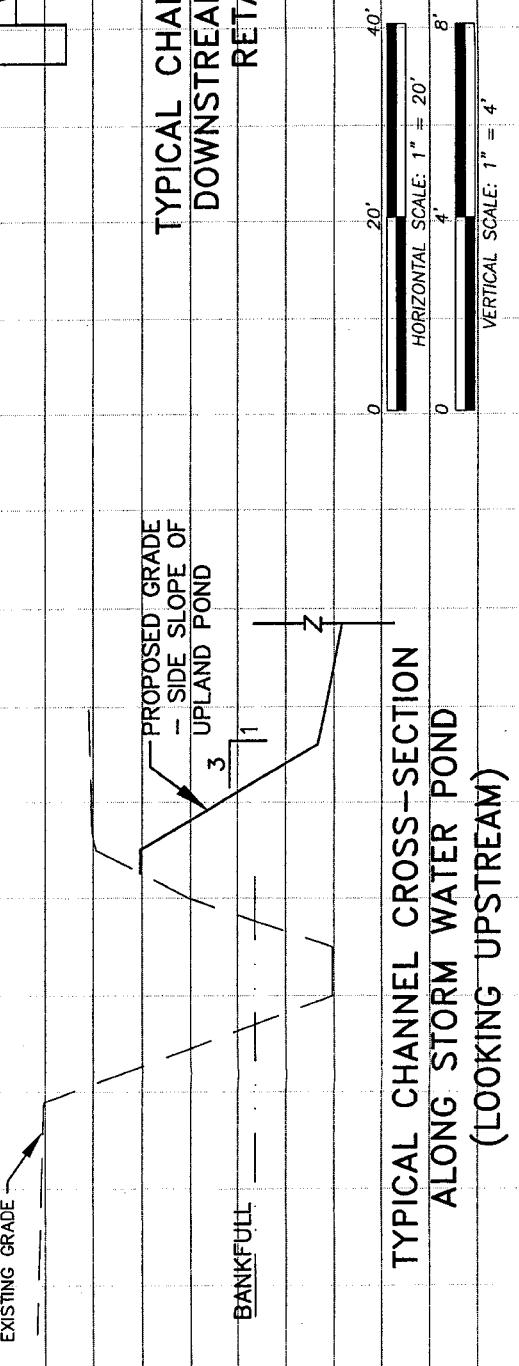
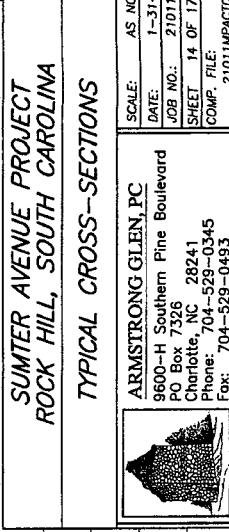
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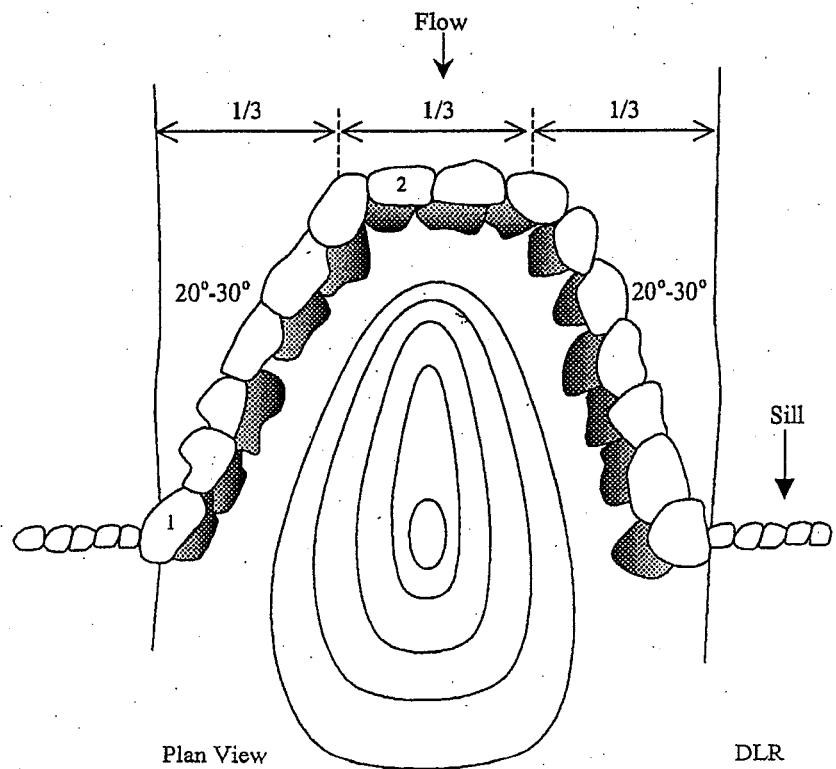
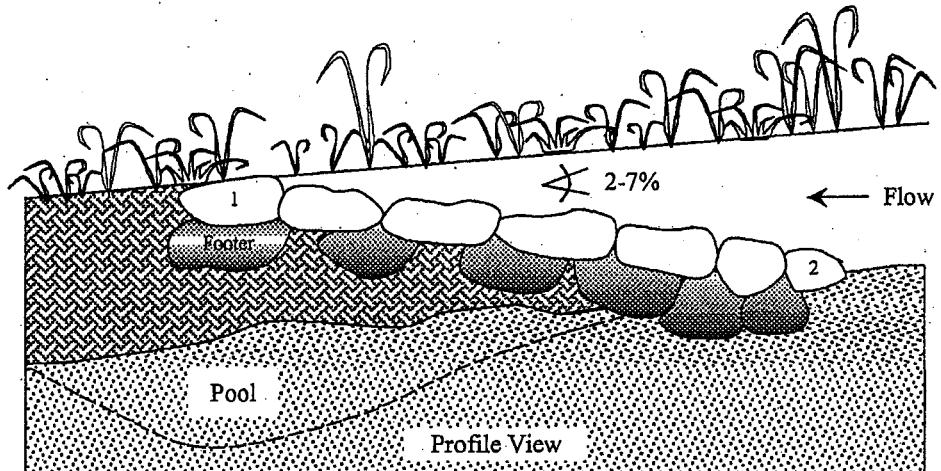
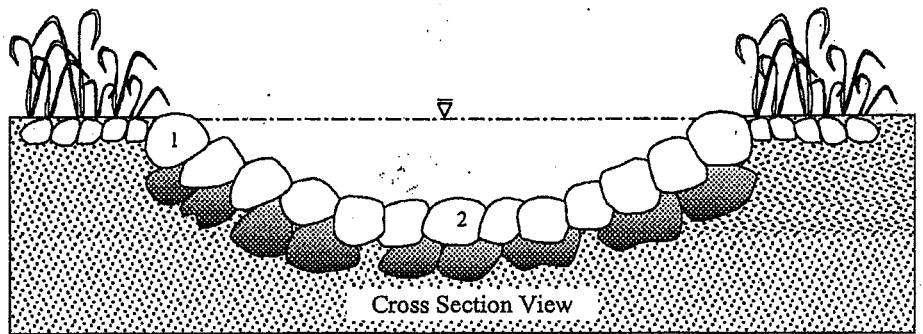
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TYPICAL CHANNEL CROSS-SECTION
DOWNSTREAM OF LUCAS ST. AT
RETAINING WALL





TYPICAL CROSS-VANE

TYPICAL W-WEIR

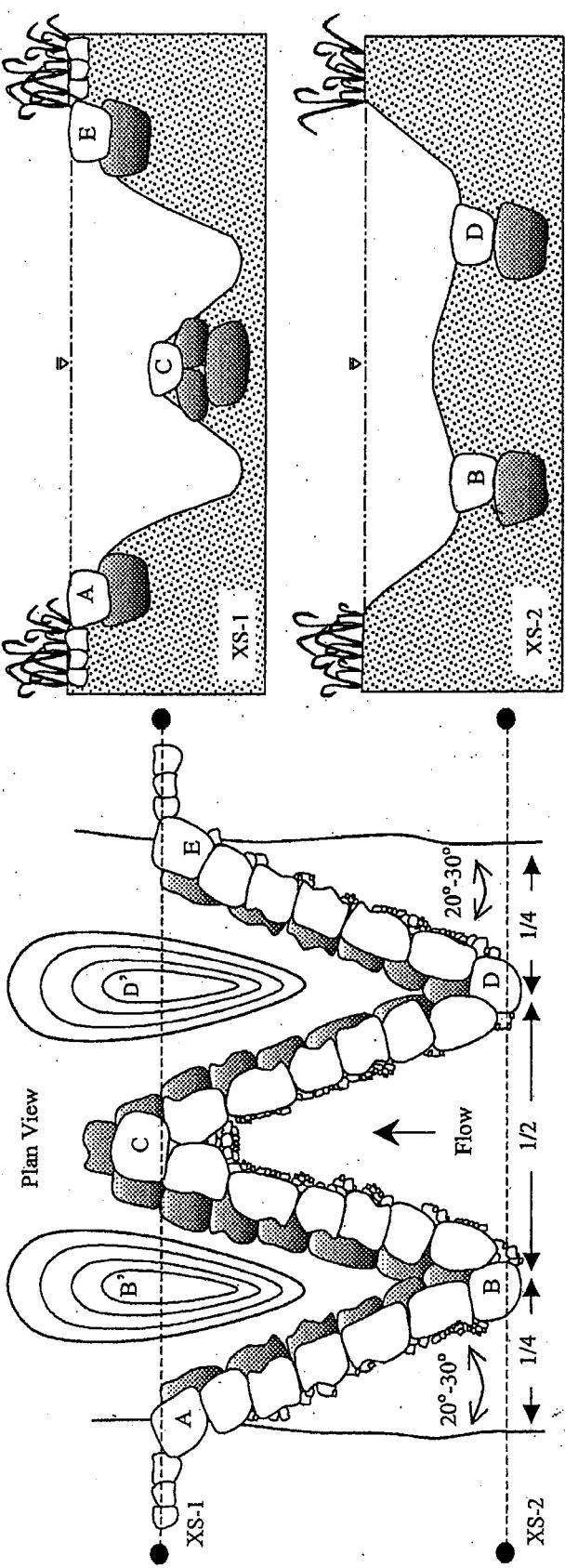
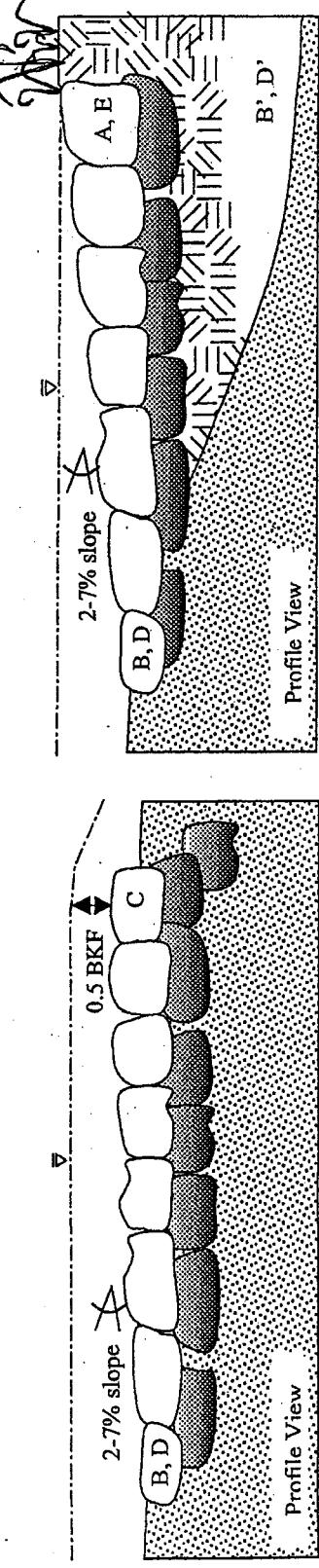


TABLE 1

Quantified Impacts												Existing Pipe / Structure						
Location	Description	Sheet	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.	L.F.	A.C.
Railroad Embankment (downstream)	84" tunnel	3					113.5	0.02			54.0	0.03				167.50	0.05	
Railroad Embankment (upstream)	84" tunnel and triple 72" RCP	4					1493.0	0.22	63.0	0.03	24.5	0.02				1580.50	0.27	829.0
Crest Street (downstream)	Dual 10x8	5	91.0	0.07	20.0	0.01	35.0	0.02			52.0	0.04				198.00	0.14	17.0
Crest Street (upstream)	Dual 10x8	6	36.0	0.03			37.0	0.02								73.00	0.05	34.0
Edgemont Ave (downstream)	Dual 8x6	7			29.0	0.02	10.0	0.00			68.0	0.02				107.00	0.04	
Edgemont Ave (upstream)	Dual 8x6	8	74.0	0.04			78.0	0.03			57.0	0.04				209.00	0.11	84.0
Lucas Street (downstream)	Dual 6x6	9	130.0	0.09			30.0	0.01	38.0	0.02			15.0	0.005	30.0	0.01	61.0	0.04
Lucas Street (upstream)	Dual 6x6	10					33.0	0.01	162.0	0.06						204.00	0.18	30.0
Meadowbrook Lane		11									173.0	0.05				173.00	0.05	
Meadowbrook Lane		12									95.0	0.02				95.00	0.02	
Edgemont Water Quality Pond		13					20.0	0.003							366.0	0.03	388.00	
Project Totals			331.0	0.2	69.0	0.0	1829.5	0.3	531.0	0.2	76.5	0.1	122.0	0.1	57.0	0.0	366.0	0.0
																3488.00	1.01	1027.0
																	0.2	